

WHAT IS CLAIMED IS:

1. An image recording apparatus, comprising:  
a recording portion being supplied with power to record at least  
digital image information in a recording medium by files; and  
a control unit operating when being supplied with said power to  
5 control said recording portion,  
said control unit including  
recovery means for controlling said recording portion, when a power  
supply to said control unit is started and if a previous power supply is found  
to be interrupted during a recording operation, to retrieve a file having been  
10 recorded at the interruption of the power supply from said files and to close  
the retrieved file.
2. The image recording apparatus according to claim 1, wherein  
said control unit further includes  
flag setting means for setting a pre-prepared flag during a period in  
which power is supplied to said recording portion, and for resetting said  
5 pre-prepared flag when power to said recording portion is interrupted, and  
power interruption detecting means for detecting, when a power  
supply to said control unit is started and if said flag is determined to be set,  
an interruption of a previous power supply during a recording operation.
3. The image recording apparatus according to claim 2, wherein  
recorded contents of said recording medium are retained after the  
interruption of the power supply,  
said control unit further including  
5 an information storing portion retaining pre-recorded information  
during a period in which power is supplied to said control unit,  
scheduling information recording means for accepting scheduling  
information for scheduling said recording operation by said recording  
portion and recording the accepted scheduling information in said recording  
10 medium and in said information storing portion, and

supply start time recording means for recording said scheduling information read from said recording medium in said information storing portion, when a power supply to said control unit is started.

4. The image recording apparatus according to claim 3, wherein said scheduling information includes scheduling period data for scheduling a period of said recording operation,

said control unit further including

5 a real time clock measuring real time, wherein

when a power supply to said control unit is started and if the real time measured by said real time clock is in a scheduling period indicated by said scheduling period data of said scheduling information recorded in said information storing portion by said supply start time recording means, said  
10 control unit causes said recording portion to resume said recording operation based on said scheduling information.

5. The image recording apparatus according to claim 4, wherein said recording medium is a hard disk.

6. The image recording apparatus according to claim 5, further comprising

a playback portion playing back and outputting the recorded contents of said recording medium.

7. The image recording apparatus according to claim 6, wherein power is supplied from a commercial power source, and the power supply from said commercial power source is interrupted by a power failure.

8. The image recording apparatus according to claim 1, wherein recorded contents of said recording medium are retained after the interruption of the power supply,

said control unit further including

5 an information storing portion retaining pre-recorded information

during a period in which power is supplied to said control unit,

scheduling information recording means for accepting scheduling information for scheduling said recording operation by said recording portion and recording the accepted scheduling information in said recording medium and in said information storing portion, and

supply start time recording means for recording said scheduling information read from said recording medium in said information storing portion, when a power supply to said control unit is started.

9. The image recording apparatus according to claim 8, wherein said scheduling information includes scheduling period data for scheduling a period of said recording operation,

said control unit further including

a real time clock measuring real time, wherein

when a power supply to said control unit is started and if the real time measured by said real time clock is in a scheduling period indicated by said scheduling period data of said scheduling information recorded in said information storing portion by said supply start time recording means, said control unit causes said recording portion to resume said recording operation based on said scheduling information.

10. The image recording apparatus according to claim 1, wherein said recording medium is a hard disk.

11. The image recording apparatus according to claim 1, further comprising

a playback portion playing back and outputting the recorded contents of said recording medium.

12. The image recording apparatus according to claim 1, wherein power is supplied from a commercial power source, and the power supply from said commercial power source is interrupted by a power failure.

13. An image recording method, comprising:
- a recording step of being supplied with power from a power source to record at least digital image information in a pre-prepared recording medium by files;
  - 5 a power interruption detecting step of detecting if previous power supply is interrupted during a recording operation; and
  - a recovering step of retrieving a file having been recorded at the interruption of the power supply from said files in said recording medium and closing the retrieved file, if the interruption of the power supply is
  - 10 detected in said power interruption detecting step.